



(19)

(11) Publication number:

60037462

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **58143880**(51) Intl. Cl.: **F16J 15/34**(22) Application date: **08.08.83**

<p>(30) Priority:</p> <p>(43) Date of application publication: 26.02.85</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: HITACHI LTD HITACHI TECHNO ENG CO I</p> <p>(72) Inventor: FURUYA FUKUMATSU KANZAKI ATSUMITSU TSUGE YASUSHI MINAKI KAZUO</p> <p>(74) Representative:</p>
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(54) MECHANICAL SEAL OF DOUBLE RING**(57) Abstract:**

PURPOSE: To improve cooling efficiency and to facilitate extracting of a seal ring by forming a void portion for cooling with an assembly of inner and outer fixed rings.

CONSTITUTION: Inner and outer fixed rings 12, 13 are pressed to each other by a setscrew 15, and fixed to a fixed ring presser 16 by a torque pin. Then inner and outer fixed rings 12, 13 L-shaped in section are directly cooled by cooling water flowing through a passage formed by a void portion of the fixed rings. The fixed ring presser 16 is pressed to a tank cover by a bolt 20. The presser is divided into two at its periphery, and of a flange type to be easily detached and attached. Accordingly, a cooling chamber can be disassembled and cleaned, which can prevent lowering of a cooling effect caused by fur or the like.

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